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AMENDMENTS TO THE CLAIMS

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1-5. (Cancelled)

5. (Currently Amended) A method-according to claim 5 and for non-geographical load
palancing requests on a network, the method comprising.
determining the network proximity of a requestor with respect to each of
an long two sorvers located at different geographical locations;
designating a closest one of said at least two servers by ranking said at
least two servers by network proximity; and
directing requests from said requestor to one of said at least two servers
having greatest network greatinity.
said notwork proximity being determined by at least one of latency and
number of hops between said requestor and each of said at least two servers.
said method further comprising directing additional requests from any
source having a subnet that is the same as the subnet of said requestor to said closest
sorver
7. (Currently Amended) A method-according-to-claim-5-and for non-geographical load
balancing requests on a network, the method comprising:
determining the network proximity of a requestor with respect to each of
at least two servers located at different acographical locations;
designating a closest one of said at least two servers by ranking said at
least two servers by network proximity; and
directing requests from said requestor to one of said at least two servers
having greatest network proximity.
said network proximity being determined by at least one of latency and
number of hops between said requestor and cach of said at least two servers.
said method further comprising:
monitoring the current load of each of said servers; and

directing requests from said requestor to one of said at least two servers when the current load of said one of said at least two servers is less than the current load of every other of said at least two servers.

8-9. (Cancelled)

10. (Currently Amended) A method-according-to-claim-> for non-geographical total
balancing reducts on a network, the mothod comprising:
determining the network proximity of a requestor with respect to each of
at least two servers located at different geographical locations.
designating a closest one of said at least two servers by ranking said at
least two servers by pulwork proximity; and
directing requests from said requestor to one of said at least two servers
having greatest network proximity.
said network proximity being determined by at least one of latency and
number of hons between said requestor and each of said at least two servers.
wherein said determining step comprises polling said requestor to yield at
least two attributes selected from the group consisting of latency, relative TTL and
number of hops to requestor.
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network, the method comprising:
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network, the method comprising:
11. (Currently Amended) A method-according to claim-5 for non-geographical load balancing requests on a network, the method comprising:
11. (Currently Amended) A method-according to claim-5 for non-geographical load balancing requests on a network, the method comprising:
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network, the method comprising. determining the network proximity of a requester with respect to each of at least two servers located at different geographical locations. designating a closest one of said at least two servers by ranking said at least two servers by network proximity, and
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network, the method comprising. determining the network proximity of a requester with respect to each of at least two servers located at different geographical locations. designating a closest one of said at least two servers by ranking said at least two servers by network proximity, and
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network, the method comprising: determining the network proximity of a requester with respect to each of at least two servers located at different geographical locations; designating a closest one of said at least two servers by ranking said at least two servers by network proximity; and directing requests from said requester to one of said at least two servers by particular servers basing a closest one said requester to one of said at least two servers basing requests from said requester to one of said at least two servers basing a closest network proximity.
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network, the method comprising: determining the network proximity of a requester with respect to each of at least two servers located at different geographical locations; designating a closest one of said at least two servers by ranking said network proximity.
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network. The method comprising: determining the network proximity of a requester with respect to each of at least two servers located at different geographical locations; designating a closest one of said at least two servers by ranking said at least two servers by network proximity, and directing requests from said requester to one of said at least two servers having greatest network proximity. said network proximity being determined by at least one of latency and number of hops between said requester and each of said at least two servers.
11. (Currently Amended) A method-according to claim 5 for non-geographical load balancing requests on a network, the method comprising: determining the network proximity of a requester with respect to each of at least two servers located at different geographical locations; designating a closest one of said at least two servers by ranking said at least two servers by network proximity; and directing requests from said requester to one of said at least two servers by particular servers basing a closest one said requester to one of said at least two servers basing requests from said requester to one of said at least two servers basing a closest network proximity.

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ACK message to said requestor's source address and port, sending a TCP ACK message to said requestor's source address and port 80, and sending a UDP request to a sufficiently high port number as to elicit an "ICMP port unreachable" reply.

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12. (Cancelled)

13. (Original) A method for determining network proximity, the method comprising:

sending from each of at least two servers a UDP request having a starting TTL value to a client at a sufficiently high port number as to elicit an "ICMP port unreachable" reply message to at least one determining one of said servers indicating said UDP request's TTL value on arrival at said client;

determining a number of hops from each of said servers to said client by subtracting said starting TTL value from said TTL value on arrival for each of said servers; and

determining which of said servers has fewer hops of said client; and designating said server having fewer hops as being closer to said client than the other of said servers.

14-17. (Cancelled)

18. (Proviously Amended) A network non-geographical load balancing system comprising:

a network;

at least two load balancers connected to said network; and a requestor connected to said network;

wherein each of said at least two load balancers is operative to determine the network proximity of said requestor, and wherein at least one of said load balancers is operative to designate a closest one of said load balancers by ranking said load balancers by network proximity and to direct requests from either of said requestor and a subnet of said requestor to said closest load balancer,

wherein said network proximity is determined by at least two of latency, number of hops between said requestor and each of said at least two servers and server

processing capacity of each of said at least two servers.

Cost Bl 19. (Original) A system according to claim 18 wherein said load balancers are operative to poll said requestor to yield at least two attributes selected from the group consisting of: latency, relative TTL, and number of hops to requestor.

wherein each of said at least two load balancers is operative to determine the network proximity of said requestor, and wherein at least one of said load balancers is operative to designate a closest one of said at least two servers by ranking said at least two servers by network proximity and to direct requests from either of said requestor and a submet of said requestor to said closest server.

wherein said network proximity is determined by at least two of latency. pumber of hops between said requestor and each of said at least two servers and said server processing capacity of each of said at least two servers:

wherein said at least one of said load balancers is operative to designate said closest one of said load balancers-servers by ranking said load-balancers-servers by network proximity and either of current server load and available server capacity.

22-23. (Cancelled)

24. (Previously Added) A method for non-geographical load balancing requests on a network, the method comprising:

determining the network proximity of a requestor with respect to each of at least two servers located at different geographical locations;

designating a closest one of said at least two servers by ranking said at least two servers by network proximity; and

directing requests from said requestor to one of said at least two servers having greatest network proximity,

said network proximity being determined by at least two of latency, number of hops between said requestor and each of said at least two servers and server processing capacity of each of said at least two servers.

25 (Previously Added) A method for non-geographical load balaucing requests on a network, the method comprising:

determining the non-geographical quality of the relationship between a requestor and each of at least two servers located at different geographical locations, said non-geographical quality being determined by at least two of latency, number of hops between said requestor and each of said at least two servers and server processing

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capacity of each of said at least two servers;

designating a preferred one of said at least two servers by ranking said at least two servers by said non-geographical quality; and

carrying out non-geographical load balancing of requests based on said

26. (Previously Added) A non-geographical network load balancing system comprising:

at least two servers located at different geographical locations; and

at least one non-geographical load balancer operative to assign requestors to individual ones of said at least two servers based on the non-geographical quality of the relationship between a requestor and each of at least two servers, said non-geographical quality being determined by at least two of latency, number of hops between said requestor and each of said at least two servers and server processing capacity of each of said at least two servers.

27. (Cancelled)

28. (New) A method for non-geographical load balancing requests on a network, the method comprising:

determining the network proximity of a requestor with respect to each of at least two servers located at different geographical locations;

designating a closest one of said at least two servers by ranking said at least two servers by network proximity; and

directing requests from said requestor to one of said at least two servers having greatest network proximity,

said network proximity being determined by at least one of latency and number of hops between said requestor and each of said at least two servers,

wherein said determining step comprises designating a closest one of said at least two servers by ranking said at least two servers by network proximity and either of current server load and available server capacity.

